CONRADSON CARBON RESIDUE TESTER AZA1320

The AZA1320 Conradson Carbon Residue Tester from AZA Lab is a precision laboratory instrument designed for determining carbon residue in petroleum products using the electric furnace method in full compliance with SH/T 0170 standards.Carbon residue testing is an essential analytical procedure used to evaluate the thermal stability, combustion characteristics, and deposit-forming tendency of lubricating oils, heavy fuels, and residual petroleum products. The AZA1320 provides accurate, stable, and repeatable results, making it ideal for petroleum laboratories, refineries, fuel testing centers, and research institutions.The instrument incorporates a compact integrated structure, digitally controlled electric furnace heating, and multi-sample testing capability to deliver efficient and dependable laboratory performance.

APPLICATIONS

- Petroleum testing laboratories
- Lubricating oil analysis
- Fuel quality control laboratories
- Oil refineries
- Fuel blending facilities
- Petrochemical industries
- Research and development laboratories
- Inspection and compliance laboratories

TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	AZA1320
Product Name	Conradson Carbon Residue Tester
Test Method	SH/T 0170 (Electric Furnace Method)
Heating Mode	Electric Furnace
Power Supply	AC 220 V ±10%, 50 Hz
Maximum Power Consumption	1300 W
Temperature Control Range	0 – 520 °C
Temperature Control Accuracy	±5 °C
Furnace Configuration	Single Furnace with 4 Sample Holes
Ambient Temperature	Room Temperature to 35 °C
Relative Humidity	≤85%
Overall Dimensions (L × W × H)	350 × 360 × 370 mm
Net Weight	24 kg